

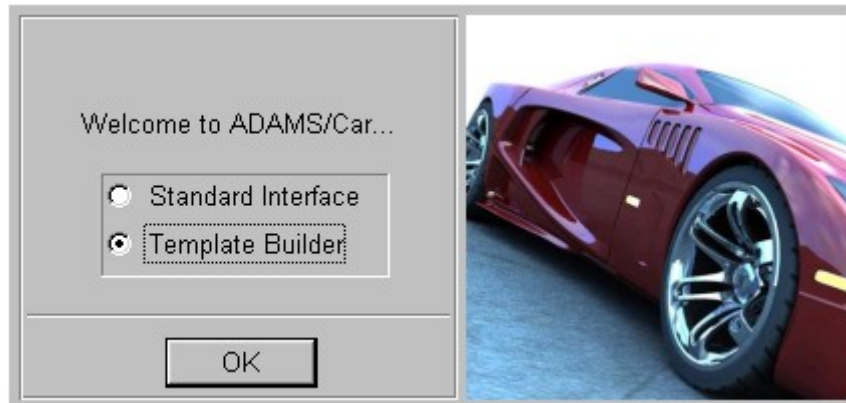
3	.....	92
3.1	.....	93
3.1.1	.....	93
3.1.2	part.....	95
3.2	.....	96
3.2.1	.....	97
3.2.2	part.....	97
3.2.3	.....	98
3.3	mount part.....	99
3.3.1	mount part.....	99
3.3.2	mount part.....	100
3.4	.....	100
3.4.1	droplink .....100	100
3.4.2	Mount part droplink_to_suspension.....102	102
3.4.3	.....104	104
3.5	input communicator.....106	106
3.6	.....107	107

□□□□□□□□

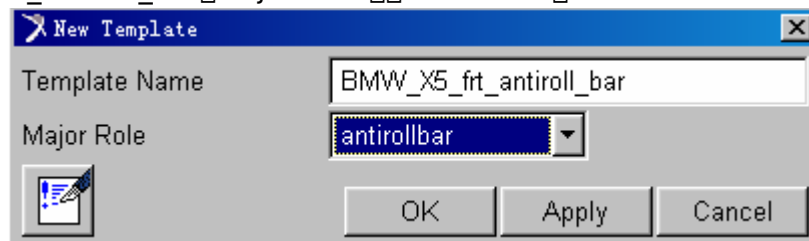
3 □□□□□□□□

□□□□ BMW X5 □□□□□□□□

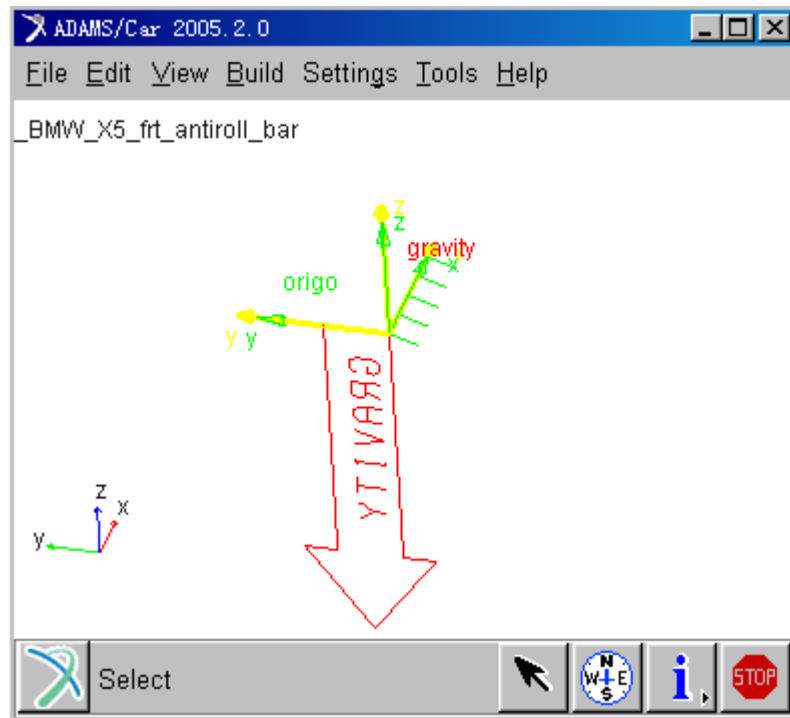
□□ Adams/Car□□□□ Template Builder



□□ File □□□□□□□□ New □□□□□□□□□□ Template Name □□□□□□□□
BMW_X5_frt_antiroll_bar□Major Role□□ antirollbar□



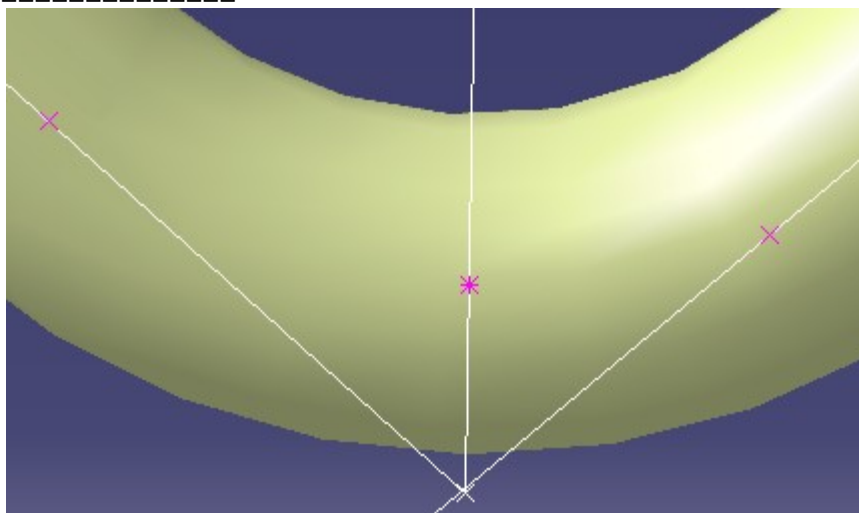
□□ OK□□□□□□□□□□



3.1 重力

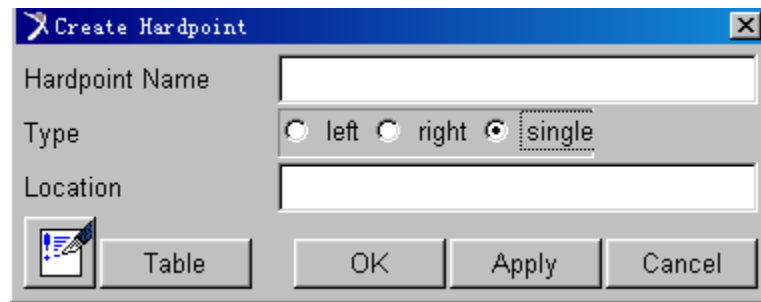
3.1.1 重力の設定

重力を設定するには、adams の重力設定ダイアログボックスを開き、重力を設定します。

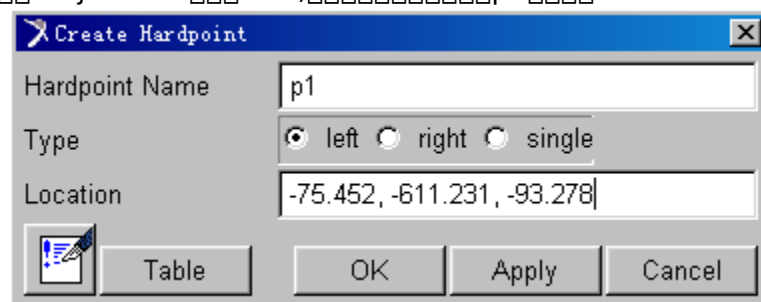


重力設定ダイアログボックスの Type を Left に設定し、Single を選択します。

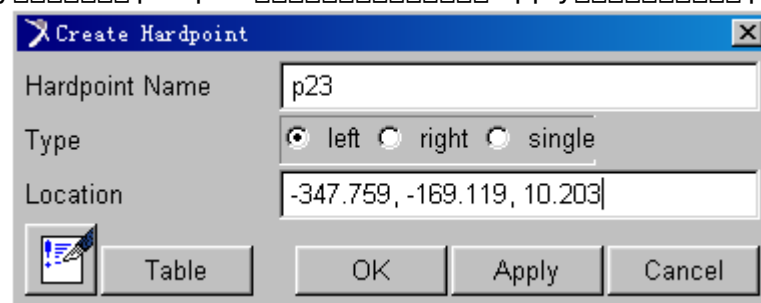
重力設定ダイアログボックスの single



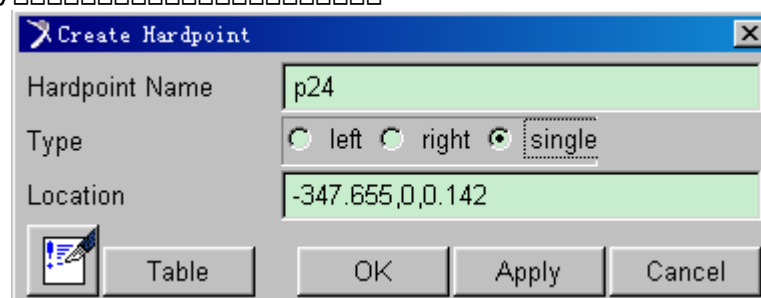
Build > hardpoint > New Major Role Single Major Role Left, p1



Apply p2~p23 Apply p23



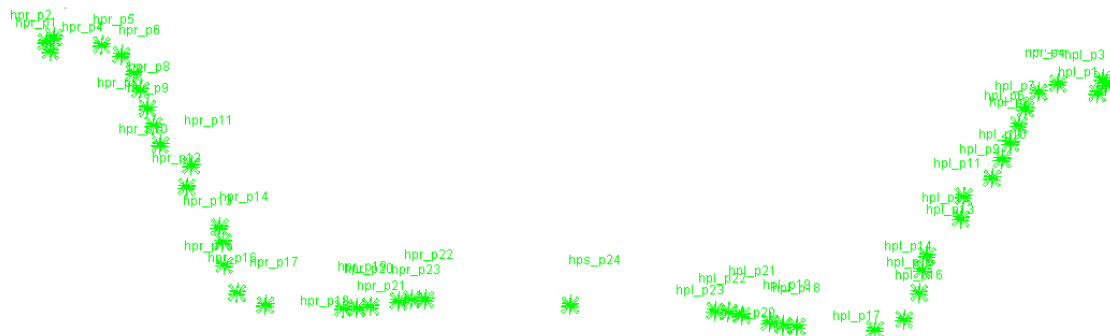
Apply



OK

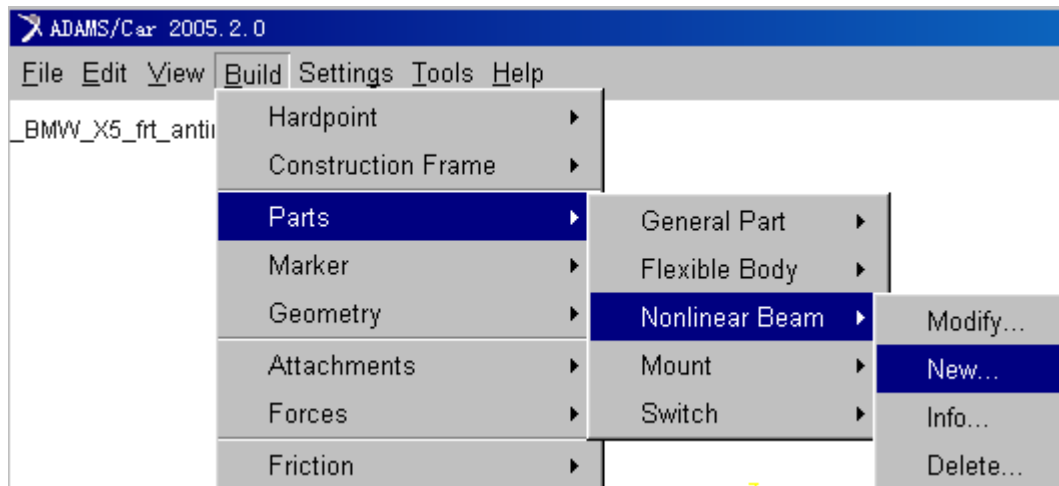
	loc_x	loc_y	loc_z
hpl_p1	-57.363	-610.88	-24.315
hpl_p10	-185.156	-485.453	57.057
hpl_p11	-205.478	-471.363	38.501
hpl_p12	-229.089	-451.8	34.542
hpl_p13	-276.952	-412.772	40.707
hpl_p14	-293.729	-408.139	37.353
hpl_p15	-319.211	-405.354	29.666
hpl_p16	-349.771	-389.115	20.431
hpl_p17	-362.084	-355.691	16.677
hpl_p18	-362.167	-264.475	16.538
hpl_p19	-361.233	-248.679	16.347
hpl_p2	-56.552	-618.36	14.928
hpl_p20	-358.415	-233.116	15.826
hpl_p21	-350.446	-200.435	14.372
hpl_p22	-347.629	-184.885	13.858
hpl_p23	-346.689	-169.102	13.685
hpl_p3	-59.521	-611.928	51.255
hpl_p4	-74.962	-557.892	82.747
hpl_p5	-88.034	-535.141	90.376
hpl_p6	-110.391	-520.302	95.543
hpl_p7	-130.837	-512.562	98.36
hpl_p8	-151.989	-503.763	95.377
hpl_p9	-168.448	-495.367	81.51
hps_p24	-346.764	0.0	13.685

□□□□□□□□□□□□□□□□ hps_p24 □□□□□□□□□□□□ adams □□□□□□□□

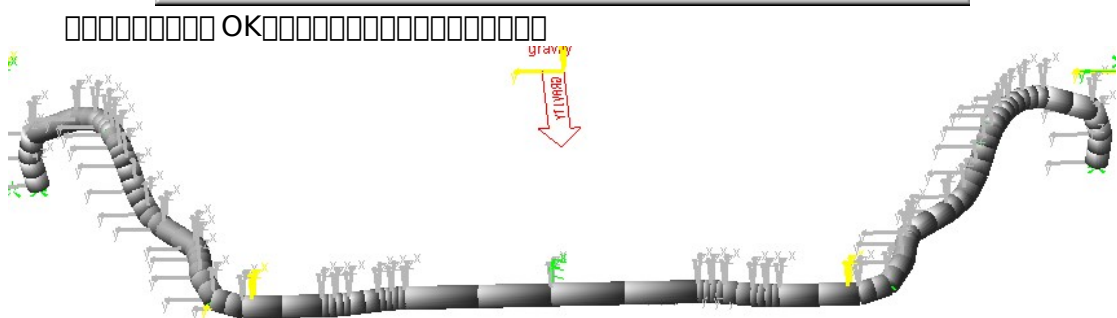
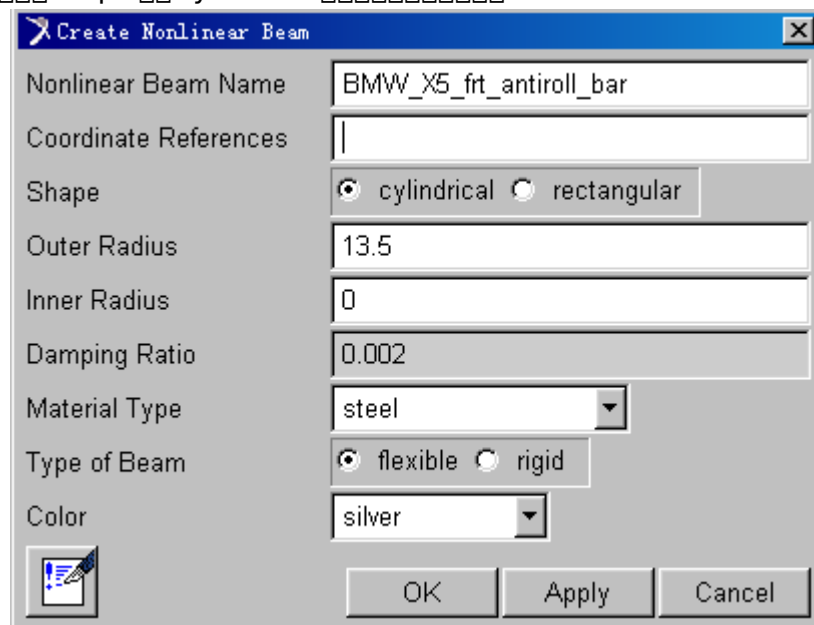


3.1.2 □□□□□□ part

□□□□□□ Build > parts > Nonlinear Beam> New□



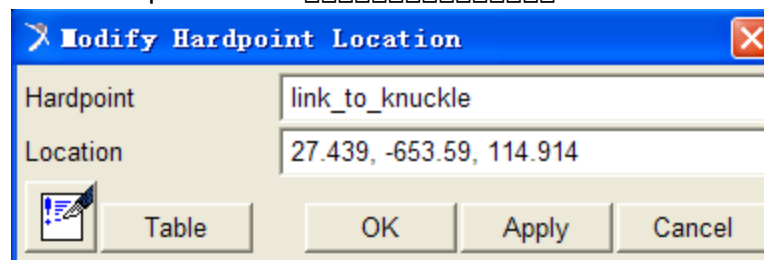
coordinate References pick
shape cylindrical



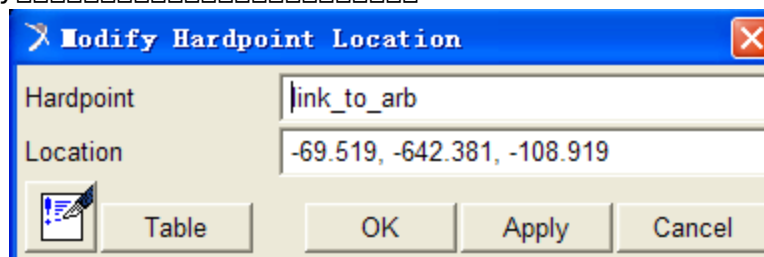
3.2

3.2.1 硬点位置

Build>Hardpoint>New



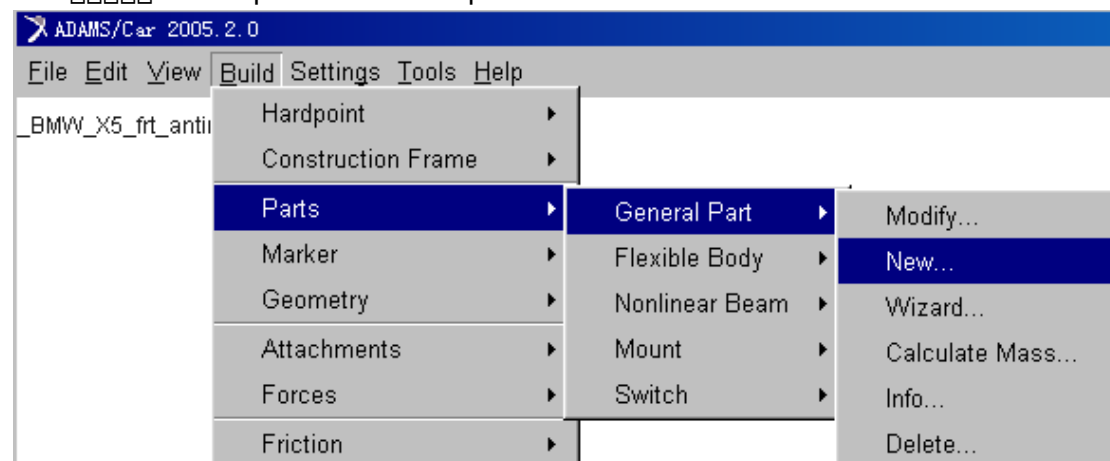
Apply



OK

3.2.2 新建 part

Build>parts>General part>New



Create General Part

General Part:

Type: ☒ left ☐ right ☐ single

Location Dependency:

Coordinate Reference #1:

Coordinate Reference #2:

Relative Location (%):

Orientation Dependency:

Orient using: ☒ Euler Angles ☐ Direction Vectors

Euler Angles:

X Vector:

Z Vector:

Mass:


Ixx:

Iyy:

Izz:

Off-Diagonal Terms: ☐

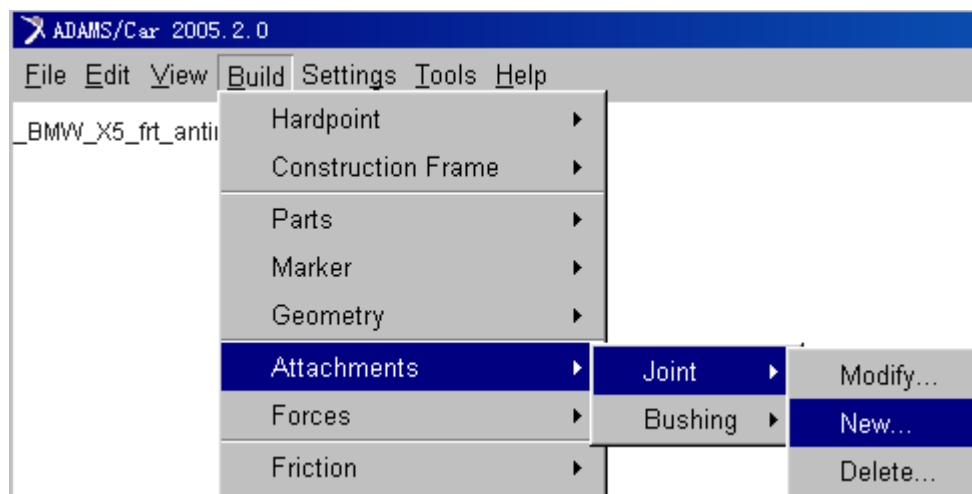
CM Location Relative to Part:



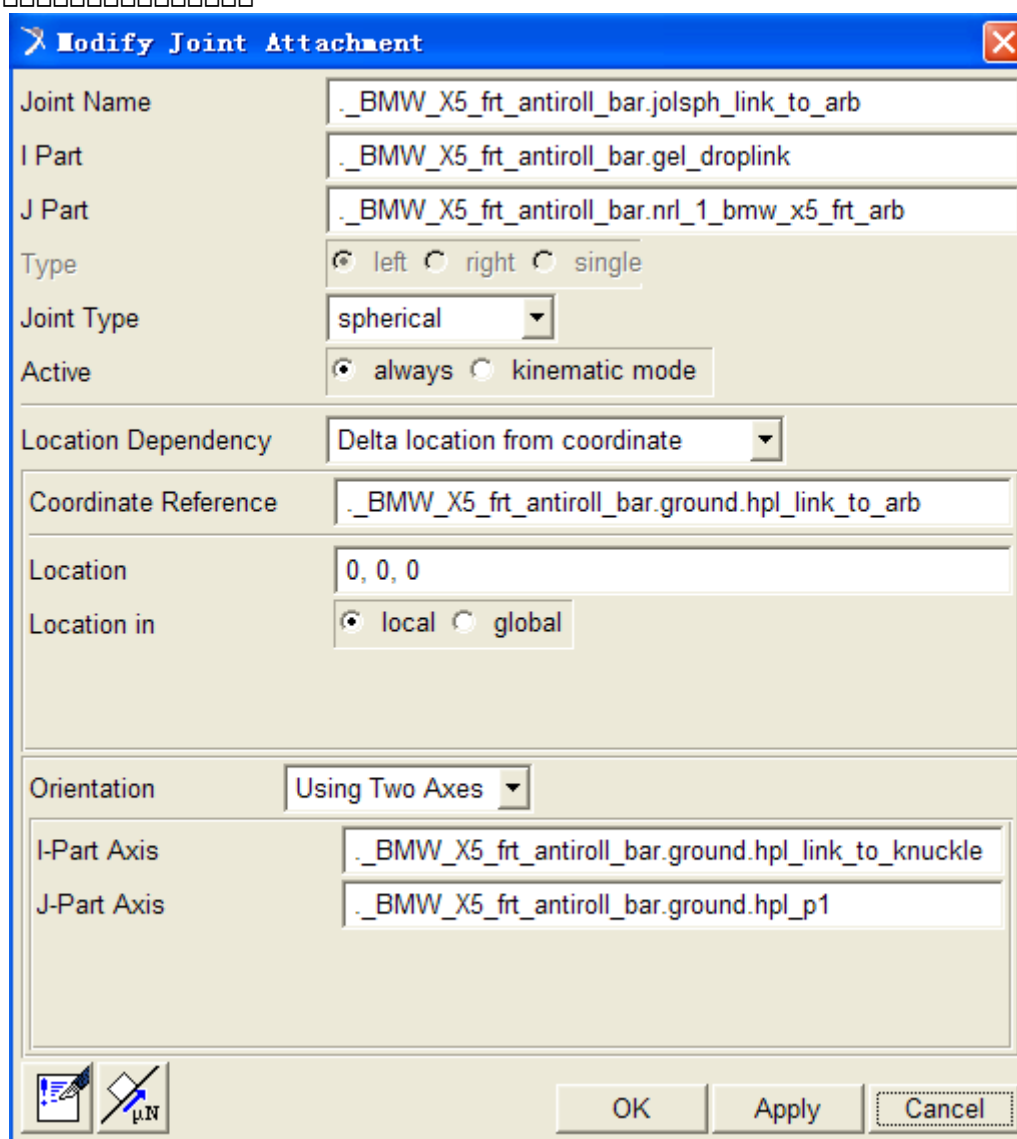
OK

3.2.3

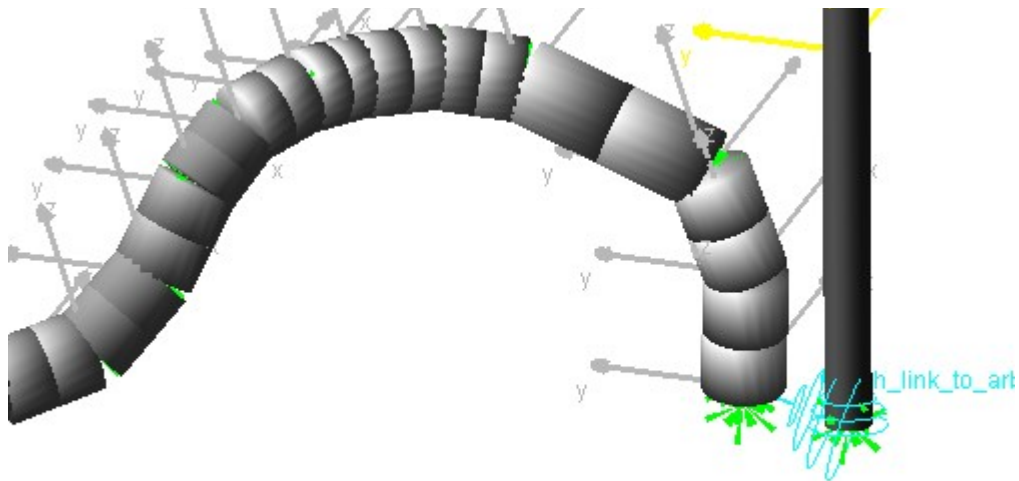
Build>Geometry>Link>New



□□□□□□□□□□□□□□□□




□□ OK□□□□□□□□□□□□□□



3.4.2 **droplink** **Mount part****droplink_to_suspension**

Build>Hard Points>New

Create Hardpoint	
Hardpoint Name	link_to_knuckle_ref
Type	<input checked="" type="radio"/> left <input type="radio"/> right <input type="radio"/> single
Location	97.295,-654.494,106.48
<div>  <input type="button" value="Table"/> <input type="button" value="OK"/> <input type="button" value="Apply"/> <input type="button" value="Cancel"/> </div>	

OK

Build>Attachments>Joint>New

Modify Joint Attachment

Joint Name:

I Part:

J Part:

Type: ☒ left ☐ right ☐ single

Joint Type:

Active: ☒ always ☐ kinematic mode

Location Dependency:

Coordinate Reference:



Location:

Location in: ☒ local ☐ global

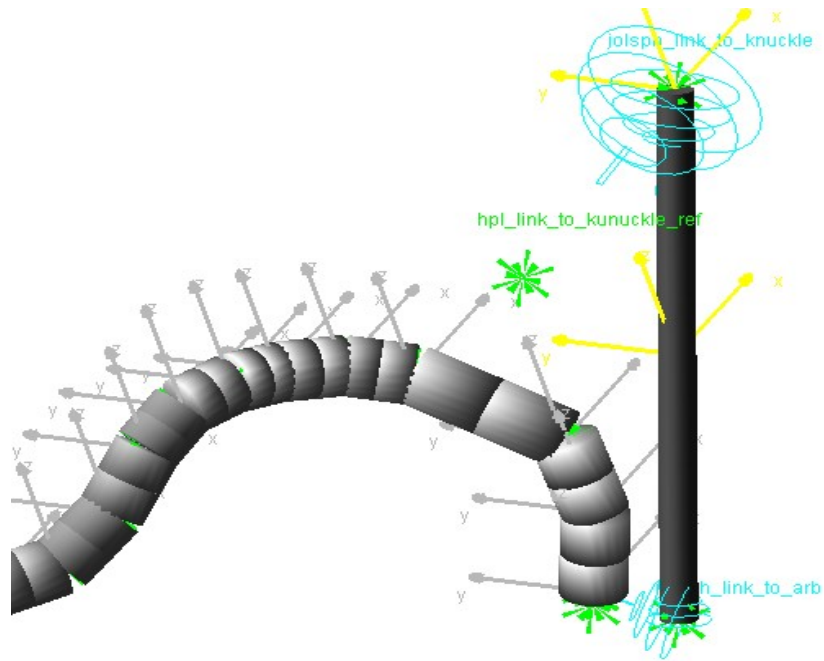
Orientation:

I-Part Axis:

J-Part Axis:

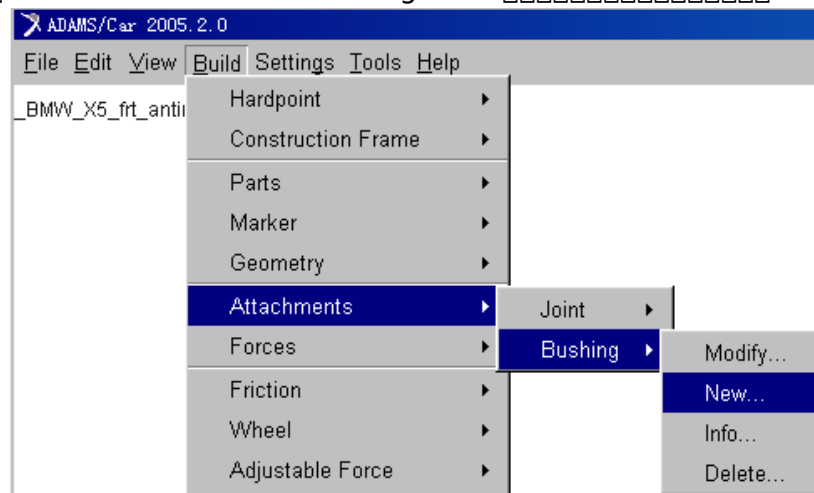
 

OK







3.4.3 创建衬套

















在菜单栏中选择 Build>Attachments>Bushing>New 创建新的衬套。



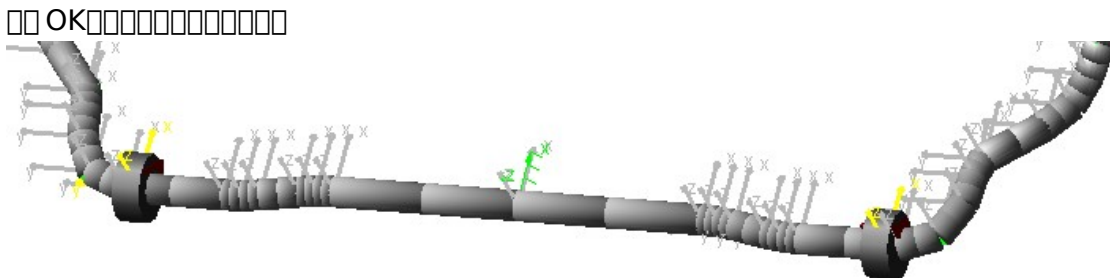
Create Bushing Attachment

Bushing Name	bushing_antirollbar
I Part	._BMW_X5_fit_antiroll_bar.nrl_17_BMW_X5_fit_antiroll_bar
J Part	._BMW_X5_fit_antiroll_bar.mtl_arb_bushing_mount
Type	<input checked="" type="radio"/> left <input type="radio"/> right <input type="radio"/> single
Inactive	<input checked="" type="radio"/> never <input type="radio"/> kinematic mode
Preload	0,0,0
Tpreload	0,0,0
Offset	0,0,0
Roffset	0,0,0
Geometry Length	25
Geometry Radius	30
Property File	mdids://acar_shared/bushings.tbl/mdi_0001.bus
Location Dependency	Delta location from coordinate
Coordinate Reference	._BMW_X5_fit_antiroll_bar.ground.hpl_p17
Location	0,0,0
Location in	<input checked="" type="radio"/> local <input type="radio"/> global
Orientation Dependency	User entered values
Orient using	<input checked="" type="radio"/> Euler Angles <input type="radio"/> Direction Vectors
Euler Angles	0,90,0
X Vector	1,0,0,0,0,0
Z Vector	0,0,-1,0,0,0

OK

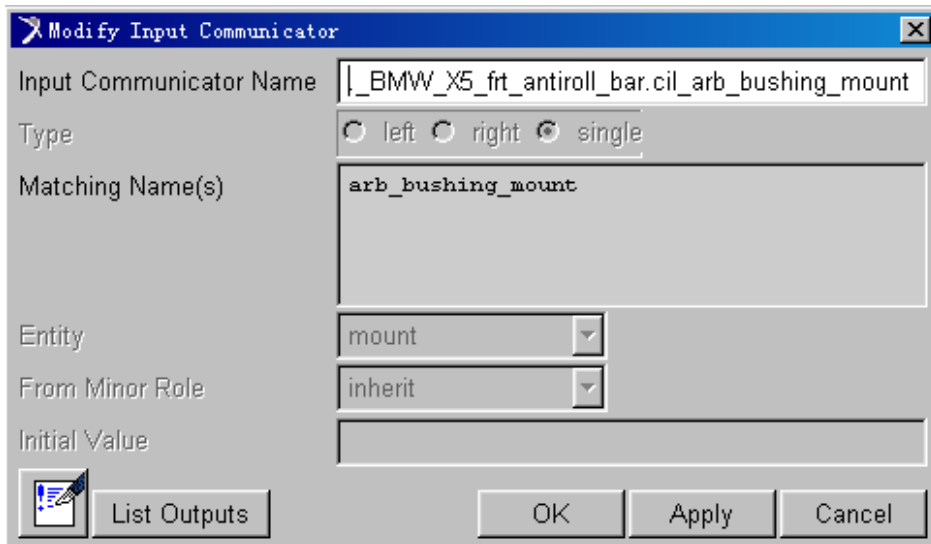
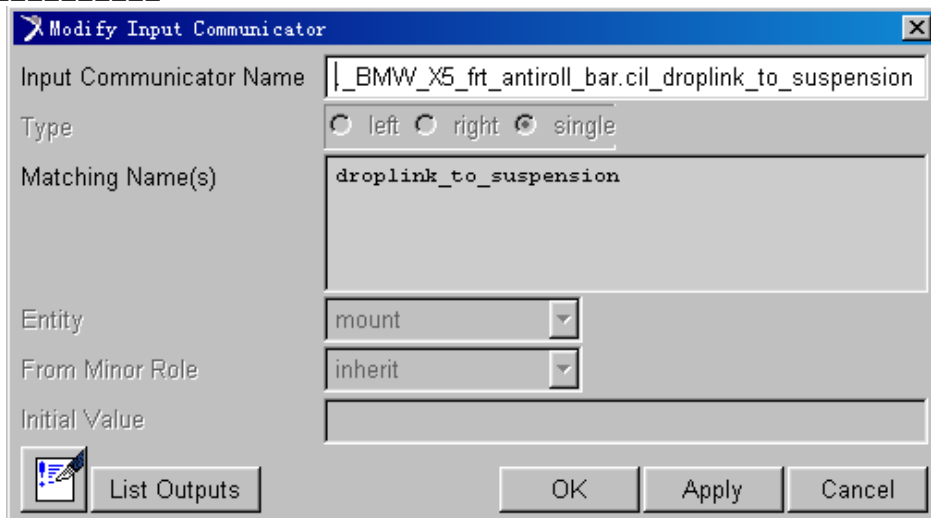


3.5 输入通信器

输入通信器 input 用于指定输入通信器的名称。mount part 输入通信器
输入通信器 input 用于指定输入通信器的名称。



输入通信器



3.6

